



Fig. 1

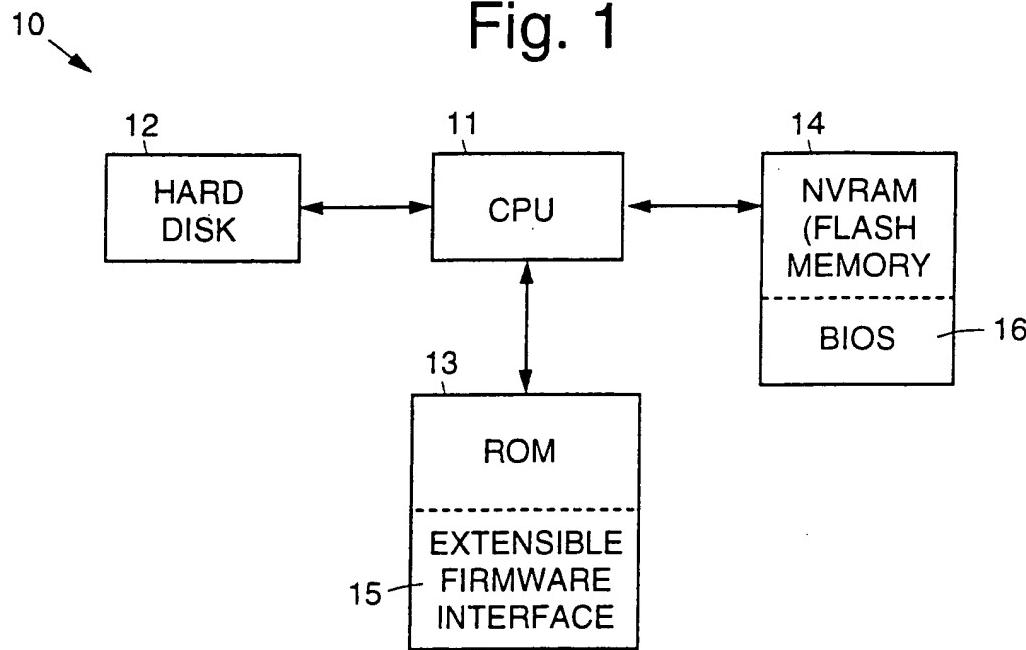
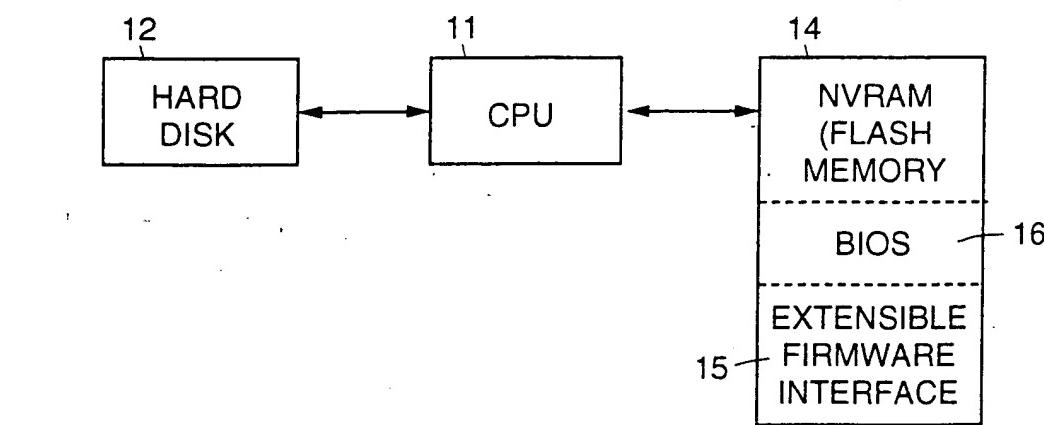


Fig. 1a





## REPLACEMENT SHEET

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Fig. 2

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MODIFY A COMMAND SHELL OF THE EXTENSIBLE FIRMWARE INTERFACE TO INCLUDE A COMMAND THAT OPERATES TO COPY THE BOOT SECTOR OF THE HARD DISK TO THE NONVOLATILE RANDOM ACCESS MEMORY

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STORE THE MODIFIED EXTENSIBLE FIRMWARE INTERFACE IN THE READ-ONLY MEMORY

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WHEN THE COMPUTER SYSTEM IS INITIALIZED, COPY A BOOT SECTOR OF THE HARD DISK TO THE NONVOLATILE RANDOM ACCESS MEMORY

ADD A FIELD TO A BIOS SETUP ROUTINE THAT ALLOWS A USER TO ENABLE OR DISABLE READING THE BOOT RECORD FROM NONVOLATILE RANDOM ACCESS MEMORY ON BOOT

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MODIFY THE COMMAND SHELL OF THE EXTENSIBLE FIRMWARE INTERFACE TO INCLUDE A SECURITY SIGNATURE INPUT FIELD

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RUN THE BIOS SET UP PORTION OF THE BIOS

26

DURING EXECUTION OF THE EXTENSIBLE FIRMWARE INTERFACE, DISPLAY THE SECURITY SIGNATURE INPUT FIELD TO A USER

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ENABLE OR DISABLE READING THE BOOT RECORD FROM NONVOLATILE RANDOM ACCESS MEMORY ON BOOT

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INPUT THE REQUIRED SIGNATURE PRIOR TO UPDATING THE STORED BOOT SECTOR

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READ BACK THE BOOT SECTOR OF THE HARD DISK FROM THE NONVOLATILE RANDOM ACCESS MEMORY ON EACH BOOT TO BYPASS SECTOR ACCESS OF THE HARD DISK DURING SYSTEM INITIALIZATION

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